

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P505855

Luminaire Tested: **14PD-25-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PW1-L835
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

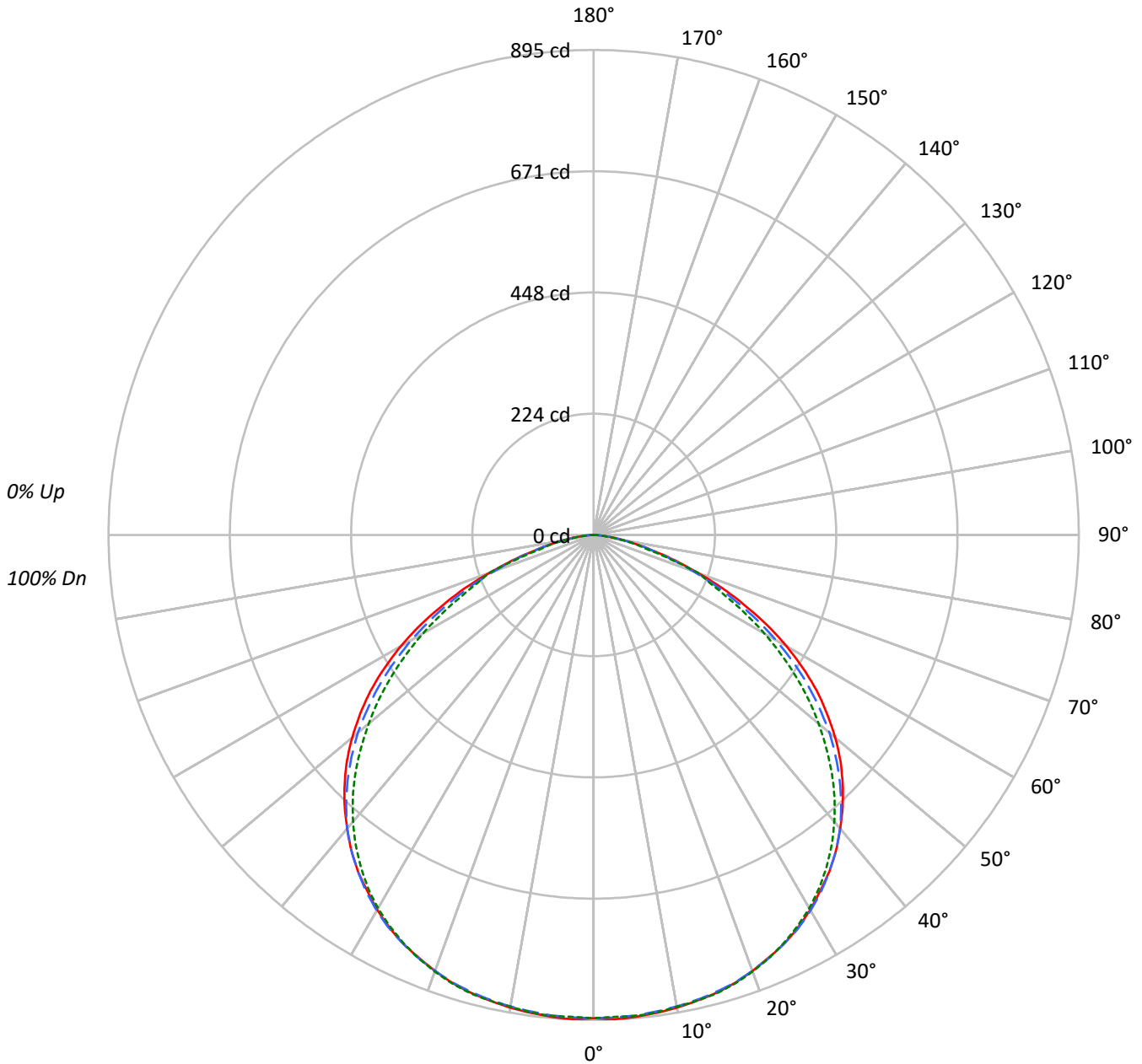
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2539.5 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2400	2400	2400
5°	2411	2405	2407
10°	2422	2414	2416
15°	2438	2432	2441
20°	2452	2451	2455
25°	2471	2471	2466
30°	2483	2487	2472
35°	2490	2490	2459
40°	2486	2484	2426
45°	2473	2444	2365
50°	2435	2376	2269
55°	2360	2261	2138
60°	2211	2089	1958
65°	1958	1845	1724
70°	1598	1527	1611
75°	1205	1184	1064
80°	868	812	812
85°	543	513	451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	3.3
10°-20°	246.8	9.7
20°-30°	383.2	15.1
30°-40°	472.0	18.6
40°-50°	491.4	19.3
50°-60°	427.3	16.8
60°-70°	287.1	11.3
70°-80°	124.3	4.9
80°-90°	22.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	714.8	28.1
0°-40°	1186.8	46.7
0°-60°	2105.4	82.9
0°-90°	2539.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	893	887	890	892	891	85
15°	875	869	873	876	876	247
25°	832	828	832	832	831	384
35°	758	756	758	752	749	474
45°	650	648	642	628	622	501
55°	503	494	482	463	456	447
65°	308	302	290	276	271	305
75°	116	117	114	116	102	128
85°	18	18	17	15	15	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.7	891.7	891.7	891.7	891.7
2.5°	894.7	889.2	891.2	894.2	890.2
5°	892.7	887.2	890.2	892.2	891.2
7.5°	889.7	885.7	887.2	889.2	888.7
10°	886.2	882.1	883.6	885.7	884.1
12.5°	880.6	876.1	879.1	881.1	880.6
15°	875.1	869.0	873.1	876.1	876.1
17.5°	867.0	862.0	866.0	868.5	868.0
20°	856.4	852.9	855.9	857.9	857.4
22.5°	844.3	841.8	845.3	845.3	845.3
25°	832.2	828.2	832.2	832.2	830.7
27.5°	816.6	813.1	818.1	816.6	814.1
30°	799.0	796.9	800.5	797.9	795.4
32.5°	778.3	777.3	780.8	775.8	773.8
35°	758.1	756.1	758.1	751.6	748.6
37.5°	734.4	732.4	734.4	725.9	721.3
40°	707.7	706.2	707.2	696.1	690.6
42.5°	680.0	678.5	676.0	662.4	657.8
45°	649.8	647.7	642.2	627.6	621.5
47.5°	617.5	614.0	605.9	590.3	582.2
50°	581.7	576.7	567.6	550.4	541.9
52.5°	542.9	536.8	525.2	508.1	500.0
55°	503.1	494.0	481.9	462.7	455.7
57.5°	457.7	448.1	435.5	417.9	409.8
60°	410.8	401.2	388.1	372.0	363.9
62.5°	360.9	352.3	339.2	324.1	317.1
65°	307.5	301.9	289.8	276.2	270.7
67.5°	257.1	251.5	241.5	229.9	231.9
70°	203.1	202.6	194.1	186.0	204.7
72.5°	158.3	157.3	152.7	148.7	147.7
75°	115.9	116.9	113.9	116.4	102.3
77.5°	81.7	82.7	82.2	75.1	78.6
80°	56.0	56.0	52.4	49.9	52.4
82.5°	33.8	40.3	36.3	29.7	28.7
85°	17.6	18.1	16.6	14.6	14.6
87.5°	6.6	7.6	6.6	6.0	5.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)